

IN THE CLAIMS

Please amend the claims as follows:

1-14. (Canceled)

15. (Previously Presented) A method, comprising:

comparing one or more sensed cardiac complex parameter values to one or more predetermined cardiac complex parameter values;

determining whether the one or more sensed cardiac complex parameter values and the one or more predetermined cardiac complex parameter values have differences greater than a threshold; and

updating a normal sinus rhythm (NSR) template upon determining that the one or more sensed cardiac complex parameter values and the one or more predetermined cardiac complex parameter values have differences that are greater than the threshold.

16. (Previously Presented) The method of claim 15, further comprising retaining the NSR template upon determining that the one or more sensed cardiac complex parameter values and the one or more predetermined cardiac complex parameter values do not have differences that are greater than the threshold.

17. (Previously Presented) The method of claim 15, further comprising determining whether the one or more sensed cardiac complex parameter values are within one or more ranges of normal values prior to comparing the one or more sensed cardiac complex parameter values to the one or more predetermined cardiac complex parameter values, wherein the one or more sensed cardiac complex parameter values are compared upon determining that the one or more sensed cardiac complex parameter values are within the one or more ranges of normal values.

18. (Previously Presented) The method of claim 17, further comprising:

upon determining that the one or more sensed cardiac complex parameter values are not within the one or more ranges of normal values, determining whether a maximum number of attempts has been made to evaluate the one or more sensed cardiac complex parameter values; and

upon determining that the maximum number of attempts has been made, retaining the NSR template.

19. (Previously Presented) The method of claim 15, further comprising waiting a selected time period before comparing the one or more sensed cardiac complex parameter values to one or more predetermined cardiac complex parameter values and determining whether the one or more sensed cardiac complex parameter values and the one or more predetermined cardiac complex parameter values have differences greater than a threshold.

20. (Previously Presented) The method of claim 19, wherein comparing one or more sensed cardiac complex parameter values to one or more predetermined cardiac complex parameter values and determining whether the one or more sensed cardiac complex parameter values and the one or more predetermined cardiac complex parameter values have differences greater than a threshold are automatically performed after the selected time period.

21. (Previously Presented) The method of claim 15, wherein comparing one or more sensed cardiac complex parameter values and determining whether the one or more sensed cardiac complex parameter values and the one or more predetermined cardiac complex parameter values have differences greater than a threshold are performed after receiving a physician-initiated command.

22. (Previously Presented) The method of claim 15, wherein comparing one or more sensed cardiac complex parameter values to one or more predetermined cardiac complex parameter values includes comparing one or more sensed cardiac complex parameter values to one or more physician-programmed values.

23. (Previously Presented) The method of claim 15, wherein comparing one or more sensed cardiac complex parameter values to one or more predetermined cardiac complex parameter values includes comparing one or more sensed cardiac complex parameter values to one or more values derived from a current NSR template.

24. (Previously Presented) The method of claim 15, further comprising creating an initial NSR template which is updated when the sensed cardiac complex parameter values and the predetermined cardiac complex parameter values have differences that are greater than the threshold.

25. (Previously Presented) The method of claim 24, wherein creating an initial NSR template includes:
determining whether one or more sensed cardiac complex parameter values are within one or more ranges of normal parameter values; and
setting the initial NSR template based on the one or more sensed cardiac complex parameter values.

26. (Previously Presented) The method of claim 25, further comprising displaying a proposed NSR template, and determining whether the proposed NSR template is approved prior to setting the initial NSR template.

27. (Previously Presented) The method of claim 25, further comprising:

upon determining that the one or more sensed cardiac complex parameter values are not within one or more ranges of normal parameter values, determining whether a maximum number of attempts has been made to evaluate the one or more sensed cardiac complex parameter values; and

upon determining that a maximum number of attempts has been made, redefining one or more ranges of acceptable parameter values.

28. (Previously Presented) The method of claim 15, wherein updating a NSR template comprises setting an updated NSR template based on the sensed cardiac complex parameter values.

29. (Previously Presented) The method of claim 28, further comprising displaying a proposed NSR template, and determining whether the proposed NSR template is approved prior to setting the updated NSR template.

30. (Previously Presented) A method, comprising:

creating a normal sinus rhythm (NSR) template;

determining whether sensed cardiac complex parameter values are within a range of normal values;

upon determining that the sensed cardiac complex parameter values are within a range of normal values, comparing the sensed cardiac complex parameter values to predetermined cardiac complex parameter values;

determining whether the sensed cardiac complex parameter values and the predetermined cardiac complex parameter values have differences greater than a threshold; and

updating the NSR template upon determining that the sensed cardiac complex parameter values and the predetermined cardiac complex parameter values have differences that are greater than the threshold.

31. (Previously Presented) The method of claim 30, further comprising:

upon determining that the sensed cardiac complex parameter values are not within a range of normal values, determining whether a maximum number of attempts has been made to evaluate the sensed cardiac complex parameter values; and

upon determining that the maximum number of attempts has been made, retaining the NSR template.

32. (Previously Presented) The method of claim 30, further comprising waiting a selected time period before comparing sensed cardiac complex parameter values to predetermined cardiac complex parameter values and determining whether the sensed cardiac complex parameter values and the predetermined cardiac complex parameter values have differences greater than a threshold.

33. (Previously Presented) The method of claim 32, wherein comparing sensed cardiac complex parameter values to predetermined cardiac complex parameter values and determining whether the sensed cardiac complex parameter values and the predetermined cardiac complex parameter values have differences greater than a threshold are automatically performed after the selected time period.

34. (Previously Presented) The method of claim 32, wherein comparing sensed cardiac complex parameter values to predetermined cardiac complex parameter values and determining whether the sensed cardiac complex parameter values and the predetermined cardiac complex parameter values have differences greater than a threshold are performed after receiving a physician-initiated command.

35. (Previously Presented) The method of claim 30, wherein creating a NSR template includes:

determining whether sensed cardiac complex parameter values are within a range of normal parameter values;

displaying a proposed NSR template based on the sensed cardiac complex parameter values;

determining whether the proposed NSR template is approved; and
setting the proposed NSR template as the NSR template.

36. (Previously Presented) The method of claim 30, wherein updating the NSR template upon determining that the sensed cardiac complex parameter values and the predetermined cardiac complex parameter values have differences that are greater than the threshold includes:

displaying a proposed updated NSR template;
determining whether the proposed updated NSR template is approved; and
upon determining that the proposed updated NSR template is approved, setting the proposed updated NSR template an updated NSR template.

37. (Previously Presented) The method of claim 30, wherein comparing the sensed cardiac complex parameter values to predetermined cardiac complex parameter values includes comparing sensed cardiac complex parameter values to physician-programmed values.

38. (Previously Presented) The method of claim 30, wherein comparing the sensed cardiac complex parameter values to predetermined cardiac complex parameter values includes comparing sensed cardiac complex parameter values to values derived from the NSR template.

39-43. (Canceled)